DEC STD 012-8 Digital Services Logistics Part Identifier Conventions

DOCUMENT IDENTIFIER: A-DS-EL00012-08-0000 Rev C, 18-Sep-1992

ABSTRACT: This section of DEC STD 012 defines the requirements for the assignment and control of part identifiers under the control of Digital Services Logistics.

APPLICABILITY: Compliance with this standard is mandatory for all Digital organizations involved in the assignment and maintenance of part identifiers for Part Classes 29, A2, EQ, FA, FC, FD, FE, F5, F6, and F7.

STATUS: APPROVED 18-SEP-1992; use VTX SMC for current status.

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Responsible Department:	Digital Services Logistics Engineering
Responsible Person:	Bill Tarver
SMC Writer:	Thomas Goodwin

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William Tarver, Senior Manufacturing Engineer, Digital Services Logistics

Eric Williams - Standards Process Manager

Direct requests for further information to:

William Tarver/John Fairchild
Use $ VTX ELF for the latest location information.

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1 INTRODUCTION

1.1 PURPOSE

This standard defines the conventions for part identifiers for those part classes managed by the Digital Services Logistics (DSL) organization. See subhead 1.2.

The Digital part identifier format is described in *DEC STD 012-0 Part Identification Standard*.

1.2 SCOPE

This standard discusses each of the ten part classes described in *DEC STD 012-2 Unified Numbering Code for Part Identifier Class Codes* and related document identifiers that are the responsibility of DSL.

Subhead 3	29-, FC-, FD-, AND FE-CLASS PART IDENTIFIERS AND ASSIGNMENT PROCESS
Subhead 4	A2-CLASS CUSTOMER SERVICE KITS
Subhead 5	EQ-CLASS FIELD CHANGE ORDER (FCO) KITS AND FA-CLASS FIELD CHANGE ORDER (FCO) DOCUMENTATION
Subhead 6	F5-, F6-, AND F7-CLASS DSL SPARE PART IDENTIFIERS
APPENDIX A	PART NUMBER REFERENCE GRID

1.3 RESPONSIBILITIES

This section outlines responsibilities for the assignment and control of part identifiers.

1.3.1 Digital Services Logistics (DSL)

Digital Services Logistics is responsible for the assignment and control of all part identifiers within all the part classes found in this standard. Persons assigning part identifiers within these classes are required to adhere to the conventions described in this standard and DEC STD 012-0.

The persons or agents who represent the supplier, along with the person or group representative within Digital Equipment Corporation responsible for the technical support for the parent part (Next Higher Assembly) shall determine, in accordance with DEC STD 12-0, how a part identifier is affected by changes to the part after the initial part identifier is assigned.

1.3.2 Control of this Standard

The Technical Domain Manager of the Unified Numbering System controls all sections of DEC STD 012. Digital Services Parts Control Administration is directly responsible for this section of the standard. Requests for changes must be addressed to the Technical Domain Manager or Bill Tarver. Digital Services Parts Control Administration will continue to serve as the resource for the Technical Domain Manager in the evaluation and future change of this standard.

For more information, please contact:

Chief Engineer's Office
MLO, DTN: 223-8504, MILPND::CROWLEY

William Tarver
Engineering Support Services
Digital Services WWHQ
DAS1-1/P25; DTN: 275-3223; CSLALL::TARVER

John Fairchild
Engineering Support Services
Digital Services WWHQ
NIO/B20; DTN: 285-2247; QETOO::FAIRCHILD

1.3.3 Applicability

Part identifiers for all parts within the scope of this standard that are assigned or changed after the effective date of this standard shall conform to this standard.

All part identifiers for parts within the scope of this standard that are entered into the Digital Services Material System after the effective date of this standard shall conform to this standard.

Old parts, when changed, must conform to this standard. There are no exceptions.

1.3.4 Placing Existing Parts Under the New Conventions

DSL-controlled parts that have been entered into the system prior to Revision C of this standard do not require correction to meet the conventions of this standard unless one of the following situations applies:

a. The part is found to be revision-sensitive in its application.

b. Digital is notified of an Original Equipment Manufacturer (OEM) change for a currently supported part.

c. A Mandatory Field Change Order, Product Safety Alert (OPAL Alert), or Type Code 1 Engineering Change Order (ECO) is issued against the part.

1.3.5 Engineering Information Control

The persons identified in DEC STD 012-2, subhead 2.1, as responsible for all part classes defined in this standard, are responsible for entering the part class identifiers into the APPIX Master Parts File (or its successors).

1.3.6 DSL Finance

DSL Finance is responsible for entering standard costs for all part class identifiers covered by this standard into the APPIX Master Parts File (or its successors).

Standard costs for F5, F6, and F7 are set by the supplier and must be validated by DSL Finance and approved by the DSL product manager.

2 DOCUMENTATION REQUIREMENTS

Documentation requirements for a Digital Services (DS) part are established by the Digital Services team responsible for the complete purchased part definition. These requirements are governed by the part's intended service use. General information about these requirements is available from Parts Control Administration (PCA), NIO, DTN 285-2680.

3 29-, FC-, FD-, AND FE-CLASS PART IDENTIFIERS

This section addresses the assignment and control of 29-, FC-, FD-, and FE-class part identifiers.

3.1 REQUIREMENTS FOR 29-, FC-, FD-, AND FE-CLASS PART IDENTIFIERS

Digital Services procured items that meet *all* of the following criteria are assigned 29-, FC-, FD-, or FE-class part identifiers.

a. Item is required to service peripheral or vendor equipment supplied to Digital for resale and/or supported by Digital.

b. Item fits one of these descriptions:

   1. Buy-out option Spares: The part is an integral part of a buy-out peripheral, is included in the product support plan, and must be readily available to Digital Services.

   2. Vendor Equipment Spares: The part has been identified as a spare to be purchased by Digital Services to support equipment maintained under the Multi-Vendor Hardware Services Program, and it is included in the product support plan.

   3. Tools and maintenance items: The part is an item necessary for the support or maintenance of an option, and it will become part of the *Miscellaneous Parts and Special Tools* section of the *Recommended Spares List* (RSL).

c. Item does not already have a Digital part identifier assigned and does not belong in any other Digital part class, but is used in the normal course of the Digital Services Logistics business.

3.2 BUY-OUT OPTION-LEVEL REVISION MATRIX DOCUMENTS

A Revision Matrix (RM) document is required for each product procured from an external vendor and marketed as a Digital product. This document shall display the relationship between the product revision and the revision levels of the Digital Services part class Field Replaceable Units (FRUs). The RM document will be prepared and maintained in accordance with the requirements of *DEC STD 068-0 Policy for Documentation of Revision Levels of Units and Combinations of Units*. The Digital or Servicability and Process Engineering (SPE) group, or its organizational successor, responsible for the technical support for the parent part (Next Higher Assembly) shall head a team that will work with the vendor's engineering department to develop and maintain these RM documents. This team will consist of members from Digital Services Logistics Product Management and an engineering organization (if identified for product support).

3.2.1 Vendor Equipment Services Option Level Revison Matrix (RM) Documents

An RM document is recommended for each option supported by the Digital Services organization. This RM document must effectively describe the FRU interrelationships of the various OEM part numbers and their applicable Digital Services part IDs. The RM document should be prepared and maintained in accordance with the requirements of DEC STD 068-0. The responsible group is comprised of a team of members from Logistics Product Management and an engineering organization (if identified for product support) that will work to develop and maintain these RMs.

3.3 DIGITAL SERVICES PART CLASS DESCRIPTIONS

The following paragraphs classify the kinds of equipment or material to which the 29-, FC-, FD-, and FE-class part identifiers are assigned.

3.3.1 29-Class Part Identifiers

29-class part identifiers are used to identify material needed to support Digital buy-out products when no other part class has previously been assigned. This material is supported by an RSL and product support plan. This material will consist of FRUs manufactured by the OEM or its suppliers; it will not consist of generic or component material for which the OEM is acting as a distributor.

3.3.2 FC-Class Part Identifiers

FC-class part identifiers are assigned to capital equipment Digital Services buys from a vendor that is ordinarily intended for Digital's use and not for resale. Primarily, this consists of test equipment (for example, oscilloscopes) and miscellaneous items such as microfiche readers and audio-visual units. Requests for assignment of part identifiers in this part class typically originate from the DSL capital equipment planner.

3.3.3 FD-Class Part Identifiers

The FD-class part will be used to assign Digital part identifiers to service parts that will be procured by Digital Services Logistics activities, both centralized and distributed, required to support OEM option level products when no other part class is applicable.

The FD-class part is defined as an FRU manufactured by a non-Digital Equipment OEM which retains the OEM's logo; it is not generic or component material for which the OEM is acting as a distributor.

This material may, depending on the service activity involved, be supported by any combination of RSL, product support plan, and DS service contract categories A, B, C and E. See *DEC STD 012-11 Unified Numbering Code for Multi-Vendor Hardware Services (MVHS)* for further information.

3.3.4 FE-Class Part Identifiers

FE-class part identifiers are Digital Services identification numbers assigned to finished goods items that are not manufactured by Digital (for example, an option or packaged system that is supported under one or more of Digital's Vendor Services programs).

3.4 DIGITAL SERVICES PART NUMBER REQUEST AND PART IDENTIFIER CHANGES

Contact the identified owner of this standard for the latest information about requesting and changing Digital Services part identifiers.

4 A2-CLASS PART IDENTIFIERS

This section addresses the assignment and control of A2-class part identifiers.

4.1 ASSIGNMENT OF PART IDENTIFIERS

The A2-class group is used for Digital Services Spares Kits. A2-class part identifiers are assigned using the standard 16-digit Digital part identifier format described in DEC STD 012-0, as well as the additional requirements described in this section.

The first portion of the part basic is used to indicate the type of kit:

a.	A2-W*nnnn-nn.nnnn*	W =	Digital Services Spares Warranty Kit (provided to branch at no charge).
b.	A2-M*nnnn-nn.nnnn*	M =	Digital Services Spares Nonwarranty Kit (branches are charged for kits).
c.	A2-S*nnnn-nn.nnnn*	S =	An assembled kit provided by a Digital Services Supplier. A2-S kits are always contained within an A2-M or an A2-W kit.

NOTE

All kits are available with Warranty or Nonwarranty Part Identifiers.

The remaining four digits of the A2-class part basic are not encoded with special meaning and are assigned in numerical order; they are identical for warranty and nonwarranty versions of the same kit (W and M versions). A2-S identifiers, however, have no relationship to their parent W or M kit number.

4.1.1 Part Variation

The first position of the part variation is used to indicate the level of support and has the following designated significance:

A2-*nnnnn-1n.nnnn*	Standard kit to support branch
A2-*nnnnn-2n.nnnn*	Standard kit to support man-in-van
A2-*nnnnn-3n.nnnn*	Standard kit to support zone/district
A2-*nnnnn-4n.nnnn*	Standard kit to support product repair center (PRC)
A2-*nnnnn-5n.nnnn*	Standard kit to support region
A2-*nnnnn-6n.nnnn*	Standard kit to support subsidiary
A2-*nnnnn-7n.nnnn*	Standard kit to support region/subsidiary
A2-*nnnnn-8n.nnnn*	Standard kit to support module repair center (MRC)

The maintenance philosophy for the particular product option to be supported determines which kit variations will be used.

The second position of the part variation defines the power options that a kit supports and has the following meanings assigned:

A2-*nnnnn-n0.nnnn*	Kit supports 50/60 Hz options
A2-*nnnnn-n1.nnnn*	Kit supports 50 Hz products *only*
A2-*nnnnn-n2.nnnn*	Kit supports Hz or voltages not previously identified - *REFER TO THE PRODUCT SPECIFICATION FOR DETAILS/REQUIREMENTS.*

4.2 A2 KIT PART IDENTIFIER CHANGES

When an A2 kit component is changed by a vendor or by a Digital ECO, either the existing kit part identifier part revision field may change or a new kit part identifier may be required. In the majority of these situations, changes made to kit components (either alpha or numeric part revision changes) may not have to be reflected at the A2 kit part identifier level. Refer to DEC STD 012-0 for assistance in making this determination.

5 EQ- AND FA-CLASS PART IDENTIFIERS

5.1 PART IDENTIFIERS

EQ- and FA- inventory classes are assigned part identifiers as follows.

- EQ- = Field Change Order (FCO) Kits
- FA- = Field Change Order (FCO) Documentation

EQ- and FA-class part identifiers are assigned in numerical order.

5.2 EQ- OR FA-CLASS PART IDENTIFIER CHANGES

When an EQ-class kit component is changed by a vendor or by a Digital ECO, either the existing kit part identifier revision field changes or a new kit part number and revision are required. Refer to DEC STD 012-0.

The same criteria hold true for an FA-class document; if the information changes within the FA-class manuscript, the revision field of the FA-class part identifier must change accordingly. The EQ-kit Bill of Materials (BOM) may also need to be changed to reflect the new revision of the FA-class manuscript.

6 F5-, F6-, AND F7-CLASS PART IDENTIFIERS

NOTE

In this document, a percent sign (%) in an example of a part identifier format is used to show where an explicit space exists. The percent sign is not to be entered into or used within part identifiers in any system. %% is read as blank, blank and indicates an option part class.

Part classes F5-, F6-, and F7- are assigned to FRUs that require processing and/or additional materials in excess of the standard manufacturing or repair process normally specified for the item. The types of additional processing that might be required are as follows: testing, screening/burn-in, electrostatic discharge (ESD) protection, special instructions, and marking and/or packaging. An F5-, F6-, or F7- part identifier directly

translates to an existing standard Digital part identifier and is made by replacing the class of the existing part identifier with one of the F-classes and retaining the base, variation, and revision portions of the part identifier. The 54-class is equivalent to the F5-class, the %%- class (an option) is equivalent to the F6-class, and the 70-class is equivalent to the F7-class.

These are examples of the part identifier correlations:

Conventional	F-class Corollary
54-13009-05.%A01	F5-13009-05.%A01
%%-M8210-AA.%A01	F6-M8210-AA.%A01
70-19974-00.%A01	F7-19974-00.%A01

6.1 F5-, F6-, F7-CLASS PART IDENTIFIER CHANGES

When a 54-, %%-, or 70-class part identifier with an F5-, F6-, or F7- complementary part identifier is changed by an ECO, either the existing F-class part identifier changes or a new F-class part number and revision may be required. A change to an F-Class number, whether a revision or the number itself, should reflect exactly the change that occurred to the original part as the result of an ECO. Refer to DEC STD 012-0 for assistance in making this determination.

APPENDIX A PART NUMBER REFERENCE GRID

NOTE

Use the Functional Class Description (FCD) Code that provides the best description for the part type.

A. Use 29-Class Part Identifiers for Field Replacement Units (FRUs) for traditional Digital Buy-Out Products in Part Class %%-XXXXX-XX.

Part Type		FCD Code	FCD Description
1.	MEM = Memory Module	FCD = QF	Memory Stack
2.	MOD = Module	FCD = E4	Printed Circuit Board Assemblies
3.	POW = Power Supply	FCD = QN	Power Supplies
4.	SUB = Sub Assembly	FCD = QU	Print Hammers; Print Wheels
		FCD = QV	Periph Equip Components & Electro-Mech
		FCD = QA	Mag Tape Heads
		FCD = QB	Mag Tape Transports
5.	CAB = CABLE	FCD = H1	Cable Assy, Mold, Shld, Dsub to Dsub
		FCD = H2	Cable Assy, Mold, UnShld, Dsub-Dsub
		FCD = H3	Cable Assy, Mold, Shld, Dsub to Misc.
		FCD = H4	Cable Assy, Mold, Unshld, Dsub-Misc.
		FCD = H5	Cable Assy, Mold, Shld, Misc. Connectors
		FCD = H6	Cable Assy, Mold, Unshld, Misc. Connectors
		FCD = H7	Cable Assy, Non-Mold, Rnd, Dsub-Dsub
		FCD = H8	Cable Assy, Non-Mold, Rnd, Misc. Connectors
		FCD = H9	Cable Assy, Non-Mold, Flat, Dsub-Dsub
		FCD = HJ	Wire, Discreet; Harness Assy; Misc.
		FCD = HO	Cable Assy, Non-Mold, Flat, Shld, Rcpt
		FCD = HP	Power Cord, Terminated
		FCD = HQ	Cable Assy, Non-Mold, Flt, UnShld,Rcpt
		FCD = HR	Power Cords
		FCD = HY	Cable Assy, Non-Mold, Flat, Misc. Connectors
		FCD = HZ	Cable Assy, Non-Mold, Oval, Misc. Connectors
		FCD = JF	Power Flex Assy W/attached components
		FCD = JI	Bus Bar Assy W/attached components
6.	RAW	FCD = __	Per APPIX FCD

B. Use FE-Class Part Identifiers for Options not manufactured by Digital

Part Type	FCD Code	FCD Description
OPT = Option	FCD = QH	Plotters
	FCD = QJ	Line Printers
	FCD = QJ	Printer Plotters
	FCD = QK	Printer Drums
	FCD = QL	Disk Drives
	FCD = QM	Keyboards
	FCD = QR	Misc. Periph. Clocks; Scanners; Cameras
	FCD = QS	Cartridges; DiscPacks, Surfaces, Tape
	FCD = KA	Video Displays
	FCD = KA	Modems
	FCD = QX	Unlisted PC Options
SYS = System	FCD = QW	Complete PC Systems
	FCD = QT	Memory Drum Systems

C. Use FD-Class Part Identifiers for Field Replacement Units (FRUs) for Products in Part Class FE-XXXXX-XX not manufactured by Digital

Part Type		FCD Code	FCD Description
1.	MEM = Memory Module	FCD = QF	Memory Stack
2.	MOD = Module	FCD = E4	Printed Circuit Board Assemblies
3.	POW = Power Supply	FCD = QN	Power Supplies
4.	SUB = Sub Assembly	FCD = QU	Print Hammers; Print Wheels
		FCD = QV	Periph Equip Comp & Electro-Mech
		FCD = QA	Mag Tape Heads
		FCD = QB	Mag Tape Transports
5.	CAB = CABLE	FCD = H1	Cable Assy, Mold, Shld, Dsub to Dsub
		FCD = H2	Cable Assy, Mold, UnShld, Dsub-Dsub
		FCD = H3	Cable Assy, Mold, Shld, Dsub to Misc.
		FCD = H4	Cable Assy, Mold, Unshld, Dsub-Misc.
		FCD = H5	Cable Assy, Mold, Shld, Misc. Connectors
		FCD = H6	Cable Assy, Mold, Unshld, Misc. Connectors
		FCD = H7	Cable Assy, Non-Mold, Rnd, Dsub-Dsub
		FCD = H8	Cable Assy, Non-Mold, Rnd, Misc. Connectors
		FCD = H9	Cable Assy, Non-Mold, Flat, Dsub-Dsub
		FCD = HJ	Wire, Discreet; Harness Assy; Misc.
		FCD = HO	Cable Assy, Non-Mold, Flat, Shld, Rcpt
		FCD = HP	Power Cord, Terminated
		FCD = HQ	Cable Assy, Non-Mold, Flt, UnShld, Rcpt
		FCD = HR	Power Cords
		FCD = HY	Cable Assy, Non-Mold, Flat, Misc. Connectors
		FCD = HZ	Cable Assy, Non-Mold, Oval, Misc. Connectors
		FCD = JF	Power Flex Assy W/attached components
		FCD = JI	Bus Bar Assy W/attached components

APPENDIX B REFERENCED DOCUMENTS

B.1 EL-Class Digital Documents

EL-Class Number	Document Title
EL-00012-00	*DEC STD 012-0 Part Identification Standard*
EL-00012-02	*DEC STD 012-2 Unified Numbering Code for Part Identifier Class Codes*
EL-00012-11	*DEC STD 012-11 Unified Numbering Code for Multi-Vendor Hardware Services (MVHS)*
EL-00068-00	*DEC STD 068-0 Policy for Documentation of Revision Levels of Units and Combinations of Units*

Use VTX SMC to order copies of EL-class documents from Standards and Methods Control. Send distribution questions to JOKUR::SMC or call DTN: 234-4423.

GLOSSARY

APPIX: Automated Product and Publications Index Exchange

DS: Digital Services

DSL: Digital Services Logistics

ECO: Engineering Change Order

FRU: Field Replacable Unit

LBU: Logistics Business Unit

OEM: Original Equipment Manufacturer

OPAL: Operations Product Safety Alert

PCA: Parts Control Administration

RM: Revision Matrix

RSL: Recommended Spares List

VES: Vendor Equipment Services

WWHQ: Worldwide Headquarters

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